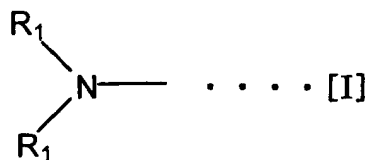


AMENDMENTS TO THE CLAIMS

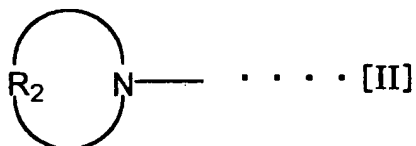
This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A rubber composition using a modified conjugated diene polymer, characterized by comprising (A) 100 parts by mass of a rubber component containing not less than 10% by mass of a conjugated diene polymer having a polymer chain with at least one functional group selected from the group consisting of a substituted amino group represented by the following formula (I):



(wherein R₁ is independently an alkyl, cycloalkyl or aralkyl group having a carbon number of 1-12) and a cyclic amino group represented by the following formula (II):



(wherein R₂ is an alkylene group having 3-16 methylene groups, a substituted alkylene group or an oxy- or N-alkylamino-alkylene group); (B) not less than 20 parts by mass of carbon black and (C) not more than 1.0 part by mass of a polycyclic aromatic compound (PCA).

2. (original): A rubber composition according to claim 1, wherein the conjugated diene polymer is a copolymer of butadiene and an aromatic vinyl compound or a homopolymer of butadiene.

3. (original): A rubber composition according to claim 2, wherein a vinyl bond content in butadiene portion is not more than 25%.

4. (currently amended): A rubber composition according to claim 2 ~~or 3~~, wherein a content of the aromatic vinyl compound as a copolymer component is not more than 10% by mass.

5. (currently amended): A rubber composition according to ~~any one of claims 2 to 4~~ claim 2, wherein the aromatic vinyl compound as a copolymer component is styrene.

6. (currently amended): A rubber composition according to ~~claim 2 or 3~~ claim 2, wherein the conjugated diene polymer is polybutadiene.

7. (currently amended): A rubber composition according to ~~any one of claims 1 to 6~~ claim 1, wherein the conjugated diene polymer has a glass transition temperature (T_g) of not higher than -50°C.

8. (currently amended): A rubber composition according to ~~any one of claims 1 to 7~~ claim 1, wherein R₁ in the formula (I) is methyl group, ethyl group, butyl group, octyl group, cyclohexyl group, 3-phenyl-1-propyl group or isobutyl group.

9. (currently amended): A rubber composition according to ~~any one of claims 1 to 7~~ claim 1, wherein R₂ in the formula (II) is tetramethylene group, hexamethylene group,

$$\begin{array}{c} R_1 \\ \diagdown \\ N - \dots [I] \\ \diagup \\ R_1 \end{array}$$
$$\text{R}_2\text{N} \cdots \text{[II]}$$

11. (currently amended): A rubber composition according to ~~any one of claims 1 to 10~~claim 1, wherein the conjugated diene polymer has at least one tin-carbon bond or silicon-carbon bond derived from a coupling agent of a formula: $(R_3)_aZX_b$ (wherein Z is tin or silicon,

and R₃ is selected from the group consisting of an alkyl group having a carbon number of 1-20, a cycloalkyl group having a carbon number of 3-20, an aryl group having a carbon number of 6-20 and an aralkyl group having a carbon number of 7-20, and a is 0 to 3, b is 1 to 4 and a+b = 4).

12. (currently amended): A rubber composition according to ~~any one of claims 1 to 11~~claim 1, wherein not less than 20% by mass of natural rubber and/or polyisoprene rubber is included in 100 parts by mass of the rubber component containing the conjugated diene polymer.

13. (currently amended): A rubber composition according to ~~any one of claims 1 to 12~~claim 1, wherein carbon black as the component (B) has a nitrogen adsorption specific surface area (N₂SA) of not less than 70 m²/g.

14. (currently amended): A rubber composition according to ~~any one of claims 1 to 13~~claim 1, wherein PCA as the component (C) is derived from a softening agent.

15. (currently amended): A rubber composition according to ~~any one of claims 1 to 14~~claim 1, wherein an extractable of the rubber composition after vulcanization with acetone-chloroform is not more than 20% by mass per the mass of the rubber composition after vulcanization.

16. (currently amended): A tire characterized by using a rubber composition as claimed in ~~any one of claims 1 to 15~~claim 1.

17. (original): A tire according to claim 16, wherein the rubber composition is applied to a tread.

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18. (currently amended): A tire according to claim 16 ~~or 17~~, wherein the tire is a heavy duty tire.